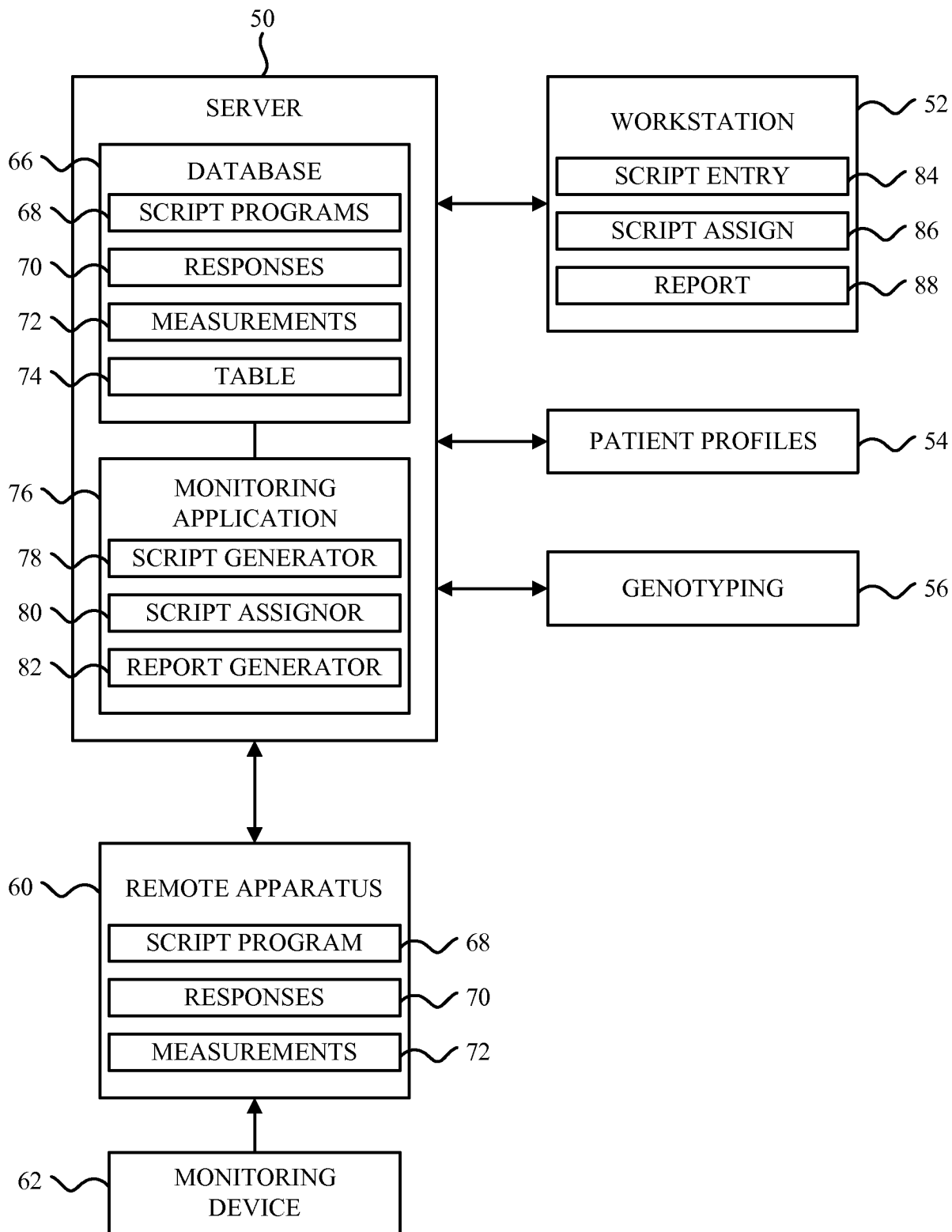
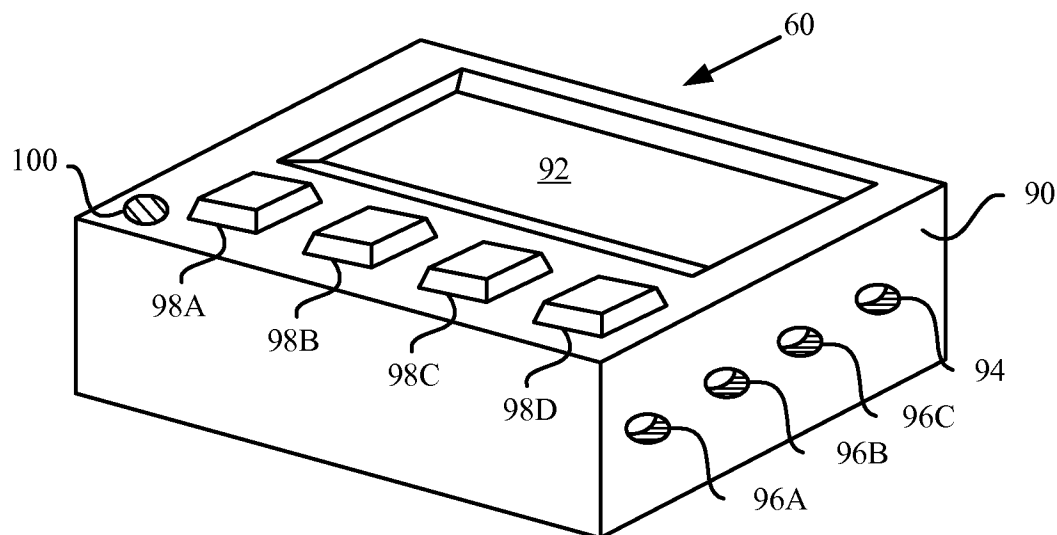
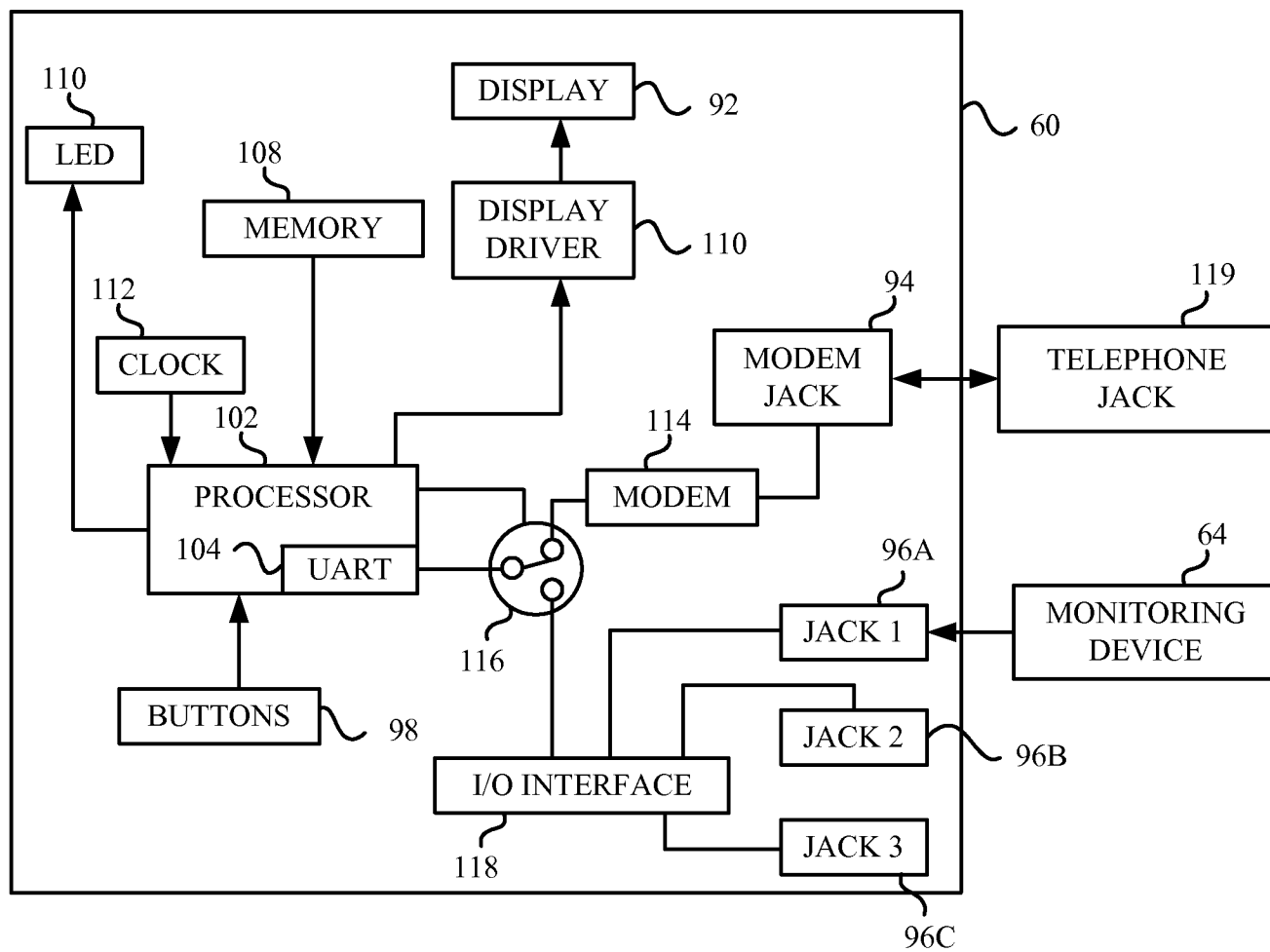
***Fig. 1***

***Fig. 2***

***Fig. 3******Fig. 4***

84

SCRIPT ENTRY SCREEN

SCRIPT NAME: NON-INSULIN DEP DIABETES MELLITUS SCRIPT 1 120

QUERIES

	CHOICE 1	CHOICE 2	CHOICE 3	CHOICE 4
HOW OLD WERE YOU WHEN YOU WERE DIAGNOSED WITH NIDDM?	<20	20-30	30-40	>40 124
ARE YOU OVERWEIGHT?	YES	NO		
WHAT IS YOUR CHOLESTEROL LEVEL?	<200 mg/dL	200-250 mg/dL	250-300 mg/dL	>300 mg/dL
DO YOU SMOKE?	YES	NO		

122

SELECT DEVICE TYPE(S)

126 ☒ GLUCOSE METER ☐ RESPIRATORY FLOW METER ☐ BP CUFF

CONNECTION TIME: 03:00 ▽ 128

CREATE SCRIPT 130

CANCEL 132

***Fig. 5***

NUMBER: 9001 {LF}  
LED: 1 {LF}  
ZAP: {LF}  
CLS: {LF}  
DISPLAY: ANSWER QUERIES NOW?  
PRESS ANY BUTTON TO START {LF}  
  
WAIT: {LF}  
CLS: {LF}  
DISPLAY: HOW OLD WERE YOU WHEN YOU  
WERE DIAGNOSED WITH NIDDM?  
    <20    20-30    30-40    >40 {LF}  
  
INPUT: OOOO {LF}  
CLS: {LF}  
DISPLAY: ARE YOU OVERWEIGHT?  
    YES    NO {LF}  
  
INPUT: OOOO {LF}  
CLS: {LF}  
DISPLAY: WHAT IS YOUR CHOLESTEROL LEVEL?  
    <200    200-250    250-300    >300  
    mg/dL    mg/dL    mg/dL    mg/dL {LF}  
  
INPUT: OOOO {LF}  
CLS: {LF}  
DISPLAY: DO YOU SMOKE?  
    YES    NO {LF}

**Fig. 6A**

INPUT: OOOO {LF}  
CLS: {LF}  
DISPLAY: CONNECT GLUCOSE METER  
AND PRESS ANY BUTTON  
WHEN FINISHED {LF}  
WAIT: {LF}  
CLS: {LF}  
DISPLAY: COLLECTING MEASUREMENTS {LF}  
COLLECT: GLUCOSE\_METER {LF}  
CLS: {LF}  
DISPLAY: CONNECT APPARATUS TO  
TELEPHONE JACK AND PRESS ANY  
BUTTON WHEN FINISHED {LF}  
WAIT: {LF}  
LED: 0 {LF}  
CLS: {LF}  
DELAY: 03:00 {LF}  
DISPLAY: CONNECTING TO SERVER {LF}  
CONNECT: {LF}  
{EOF}

**Fig. 6B**

86

SCRIPT ASSIGNMENT SCREEN

AVAILABLE SCRIPTS:

134 ☒ NIDDM SCRIPT 1

☐ NIDDM SCRIPT 2

☐ NIDDM SCRIPT 3

136 PATIENTS:

☒ NIDDM GROUP A

☐ NIDDM GROUP B

☐ NIDDM GROUP C

138

140

142

ADD SCRIPT

ASSIGN SCRIPT

DELETE SCRIPT

**Fig. 7**

92

WHAT IS YOUR  
CHOLESTEROL LEVEL?

<200	200-250	250-300	>300
mg/dL	mg/dL	mg/dL	mg/dL

☐

☐

☐

☐

98A

98B

98C

98D

**Fig. 8**

92

CONNECT GLUCOSE METER  
AND PRESS ANY BUTTON  
WHEN FINISHED

☐

☐

☐

☐

98A

98B

98C

98D

**Fig. 9**

88

PATIENT REPORT	
<div style="display: flex; justify-content: space-between; align-items: center;"><div style="text-align: center;"><div style="border: 1px solid black; padding: 2px 10px;">LINDSEY, DAN</div><div style="text-align: center;">▽</div></div><div style="text-align: center;"><div style="border: 1px solid black; padding: 2px 10px;">MARCH 15, 1997</div><div style="text-align: center;">▽</div></div></div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"><div style="text-align: center;"><div style="border: 1px solid black; padding: 2px 10px;">30-40</div></div><div style="text-align: center;"><div style="border: 1px solid black; padding: 2px 10px;">YES</div></div><div style="text-align: center;"><div style="border: 1px solid black; padding: 2px 10px;">250-300 mg/dL</div></div><div style="text-align: center;"><div style="border: 1px solid black; padding: 2px 10px;">NO</div></div></div>	<div style="text-align: center; margin-bottom: 10px;">DATE OF MEASUREMENT: 146</div> <div style="text-align: center; margin-bottom: 10px;">144</div> <div style="text-align: center;"><div style="border: 1px solid black; padding: 2px 10px;">30-40</div></div> <div style="text-align: center;"><div style="border: 1px solid black; padding: 2px 10px;">YES</div></div> <div style="text-align: center;"><div style="border: 1px solid black; padding: 2px 10px;">250-300 mg/dL</div></div> <div style="text-align: center;"><div style="border: 1px solid black; padding: 2px 10px;">NO</div></div>

**QUERY RESPONSES**

HOW OLD WERE YOU WHEN YOU WERE DIAGNOSED WITH NIDDM?

ARE YOU OVERWEIGHT?

WHAT IS YOUR CHOLESTEROL LEVEL?

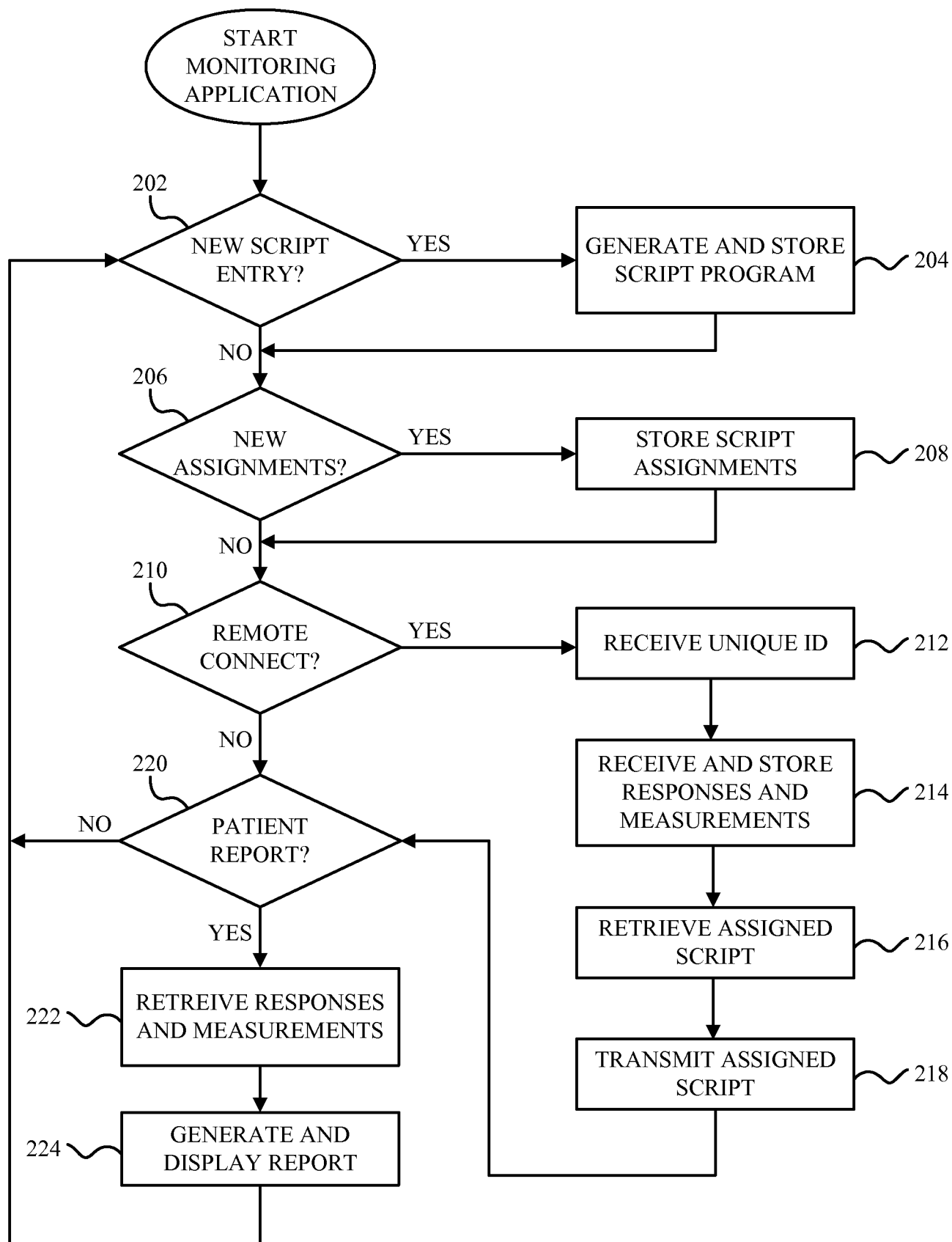
DO YOU SMOKE?

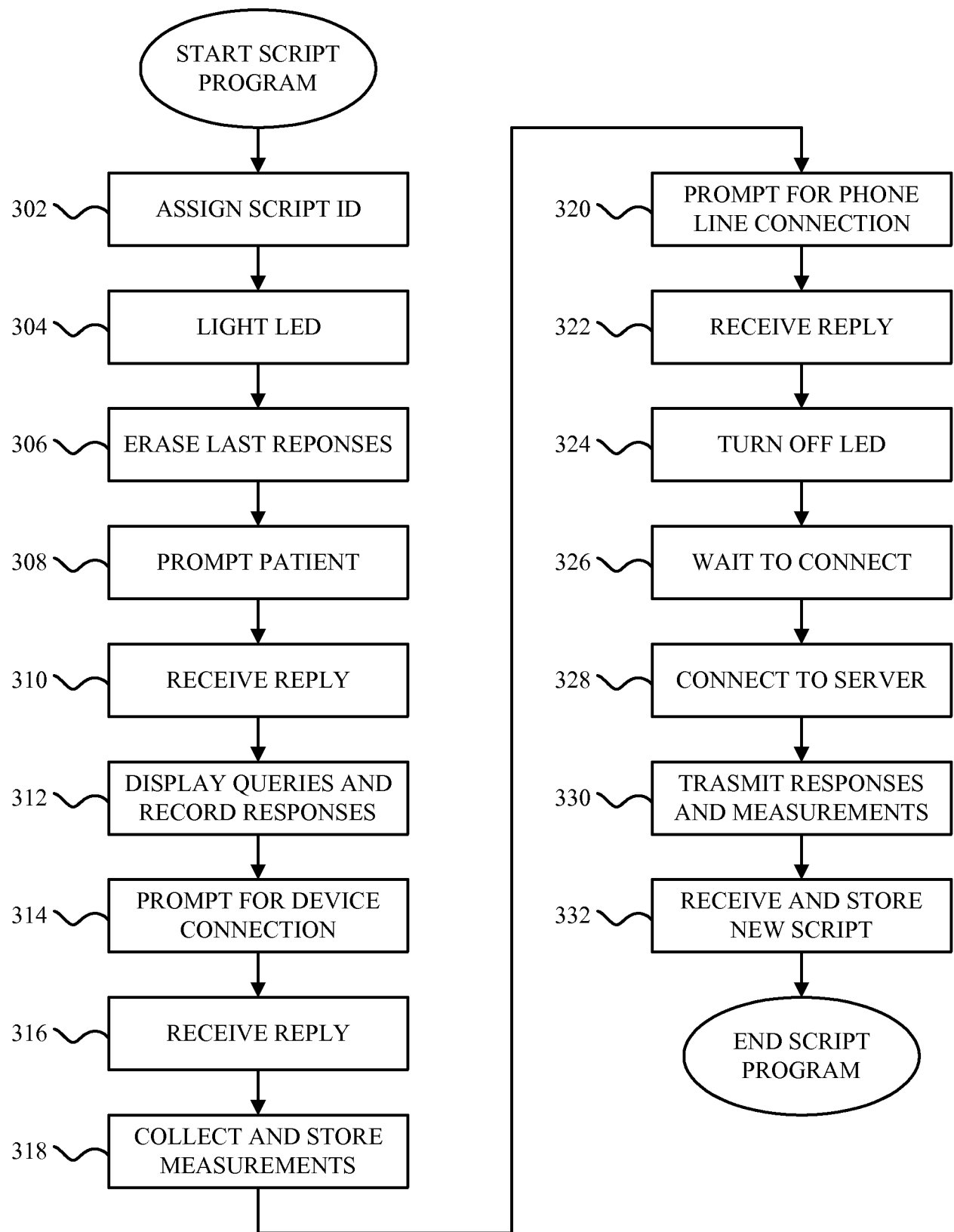
MG/DL

HOURS

***Fig. 10***



***Fig. 11***

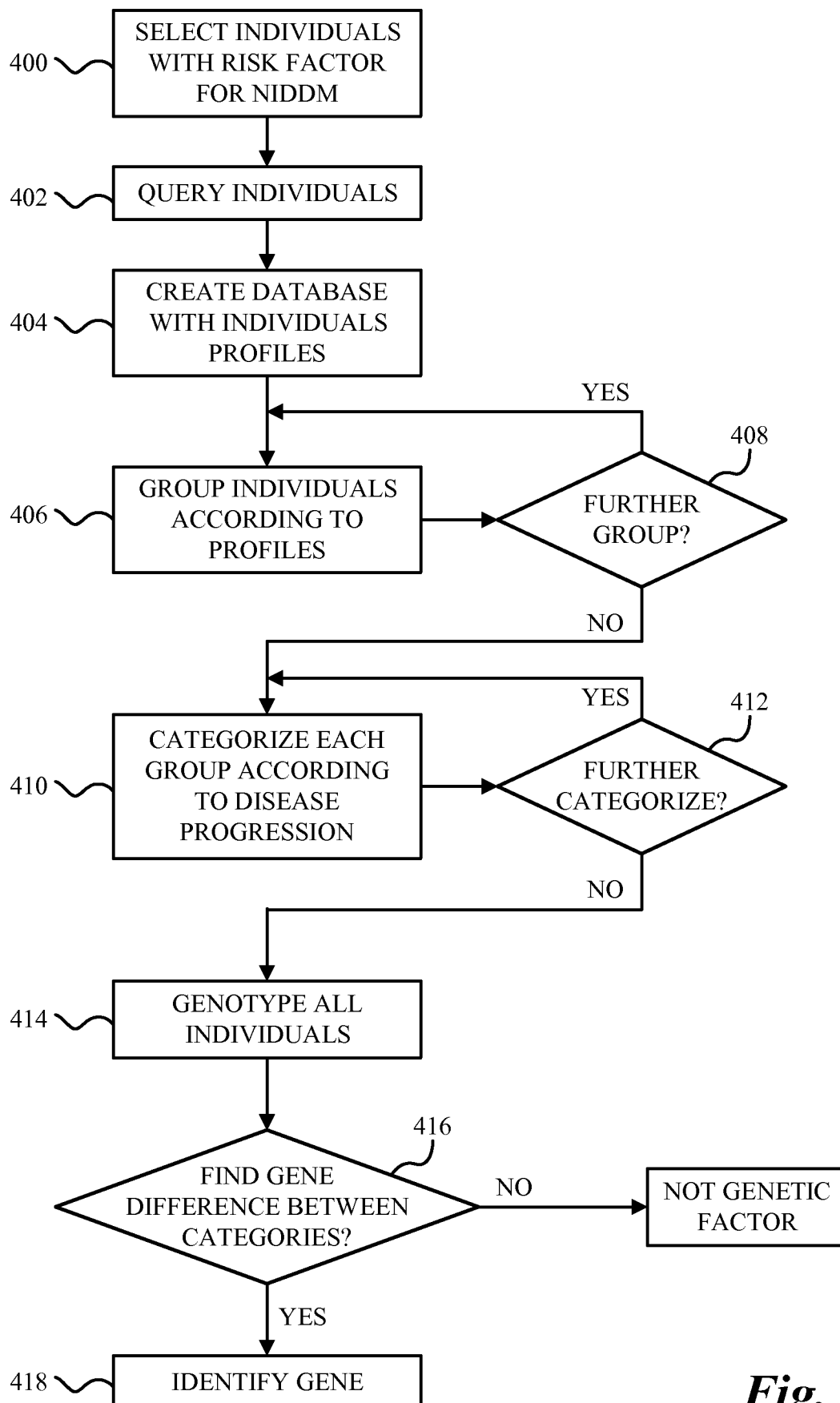
***Fig. 12***

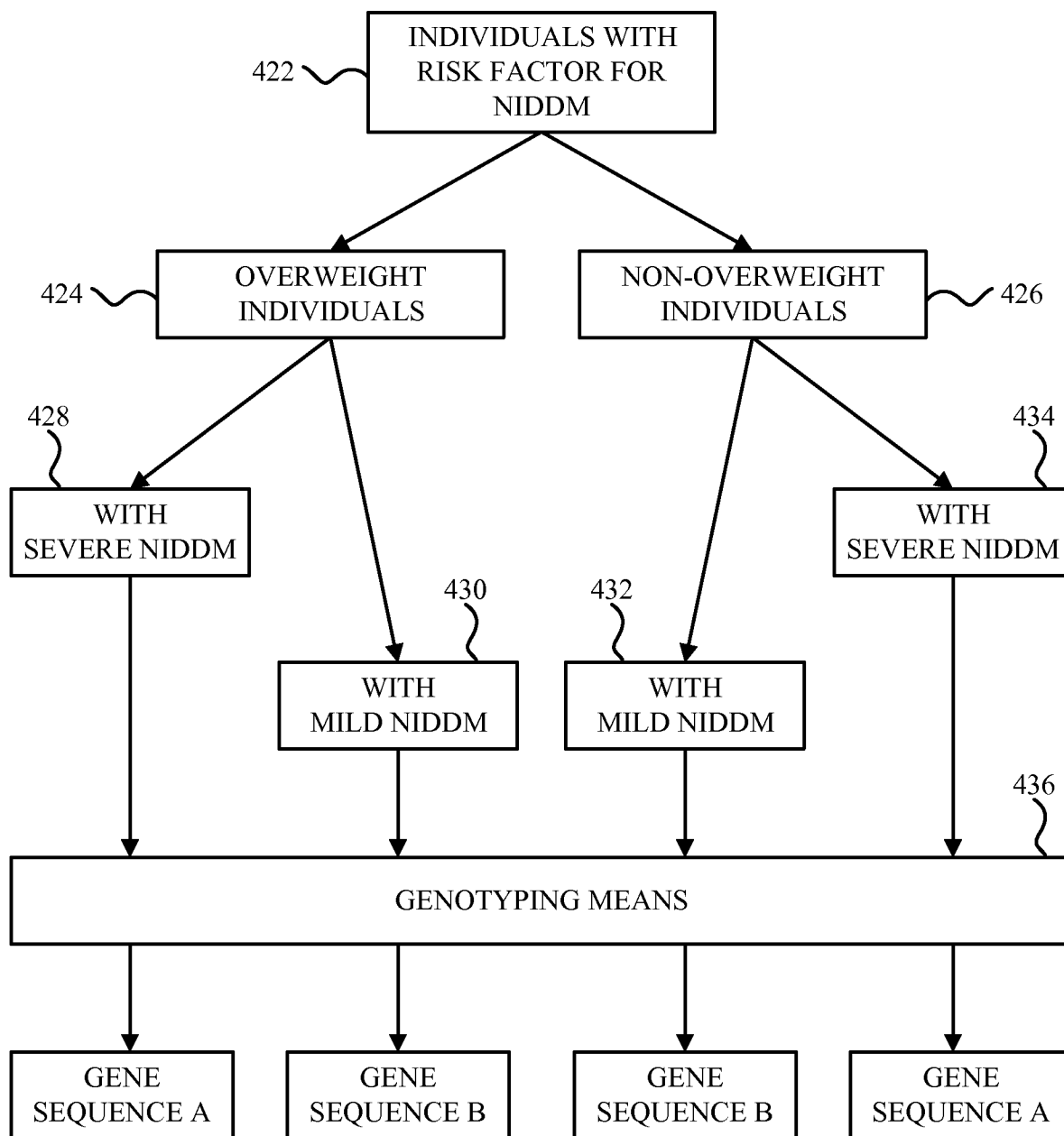
NIDDM DATA TABLE <span style="float: right;"><u>150</u></span>		
INDIVIDUAL NO: _____ <span style="float: right;"><u>151</u></span>		
<u>152</u> NAME FIELD	<u>154</u> VALUE FIELD	<u>156</u> EXPLANATION
AGE WHEN DIAGNOSED WITH NIDDM?	$<20 = 0$ $20-30 = 25$ $30-40 = 50$ $>40 = 100$	TO DETERMINE IF CONDITION IS CAUSED BY AGE
OVERWEIGHT OR NON-OVERWEIGHT?	OVERWT = 50  NONOVERWT = 0	TO DETERMINE IF CONDITION IS CAUSED BY WEIGHT
CHOLESTEROL LEVEL?	$<200 = 0$ $200-250 = 25$ $250-300 = 50$ $>300 = 100$	TO DETERMINE IF CONDITION IS CAUSED BY CHOLESTEROL LEVEL
SMOKING OR NON-SMOKING?	SMOKING = 50  NON-SMOKING = 0	TO DETERMINE IF CONDITION IS CAUSED BY NICOTINE

**Fig. 13**

NIDDM DATA TABLE <span style="float: right;"><u>150</u></span>		
INDIVIDUAL NO: 64025 <span style="float: right;"><u>151</u></span>		
<u>152</u> NAME FIELD	<u>154</u> VALUE FIELD	<u>156</u> EXPLANATION
AGE WHEN DIAGNOSED WITH NIDDM?	35-40 = 50	TO DETERMINE IF CONDITION IS CAUSED BY AGE
OVERWEIGHT OR NON-OVERWEIGHT?	OVERWT = 50	TO DETERMINE IF CONDITION IS CAUSED BY WEIGHT
CHOLESTEROL LEVEL?	250-300 = 50	TO DETERMINE IF CONDITION IS CAUSED BY CHOLESTEROL LEVEL
SMOKING OR NON-SMOKING?	NON-SMOKING = 0	TO DETERMINE IF CONDITION IS CAUSED BY NICOTINE

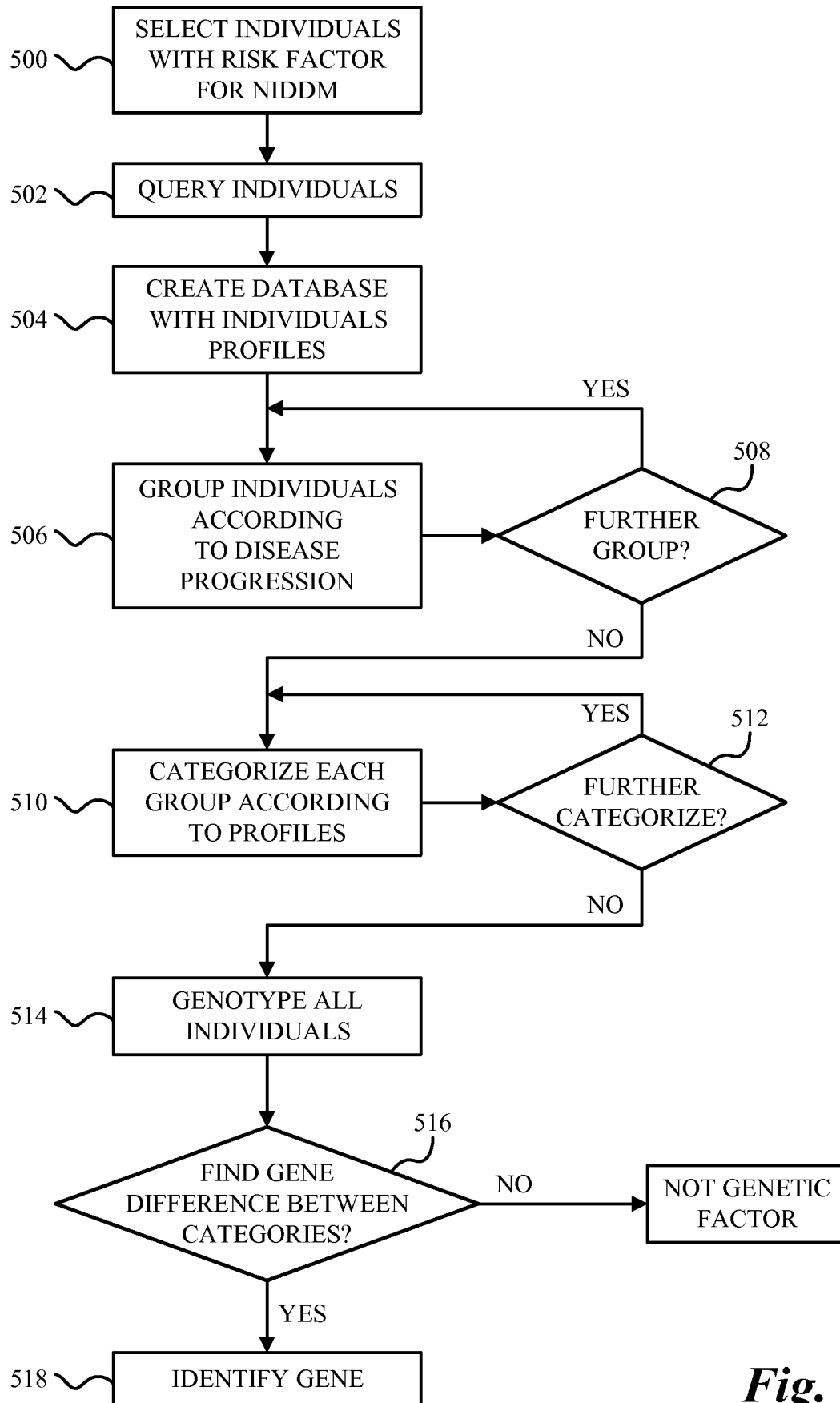
**Fig. 14**

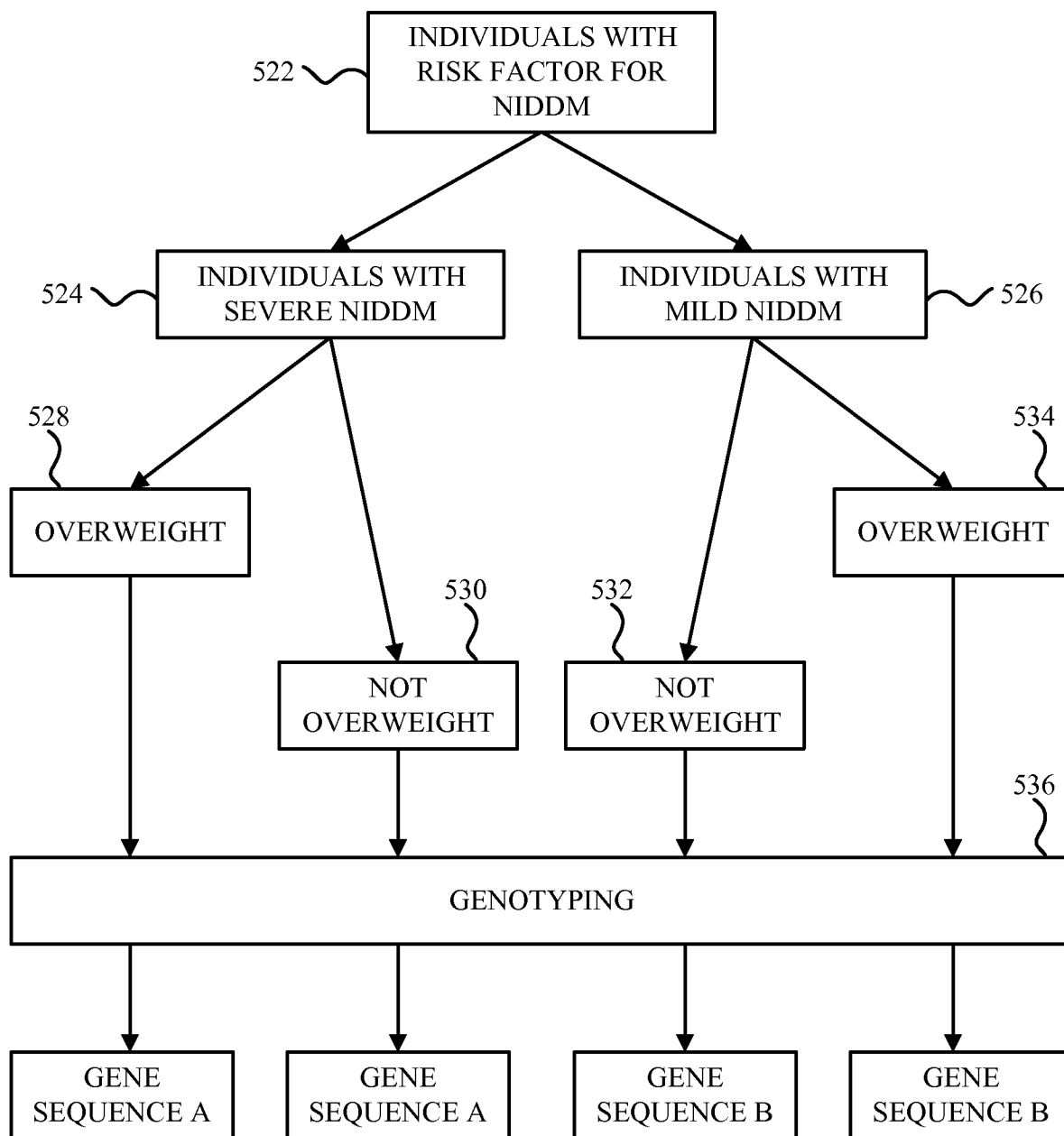
***Fig. 15***



CONCLUDE: NIDDM NOT RELATED TO  
WEIGHT, LIKELY RELATED  
TO GENE SEQUENCE A

***Fig. 16***

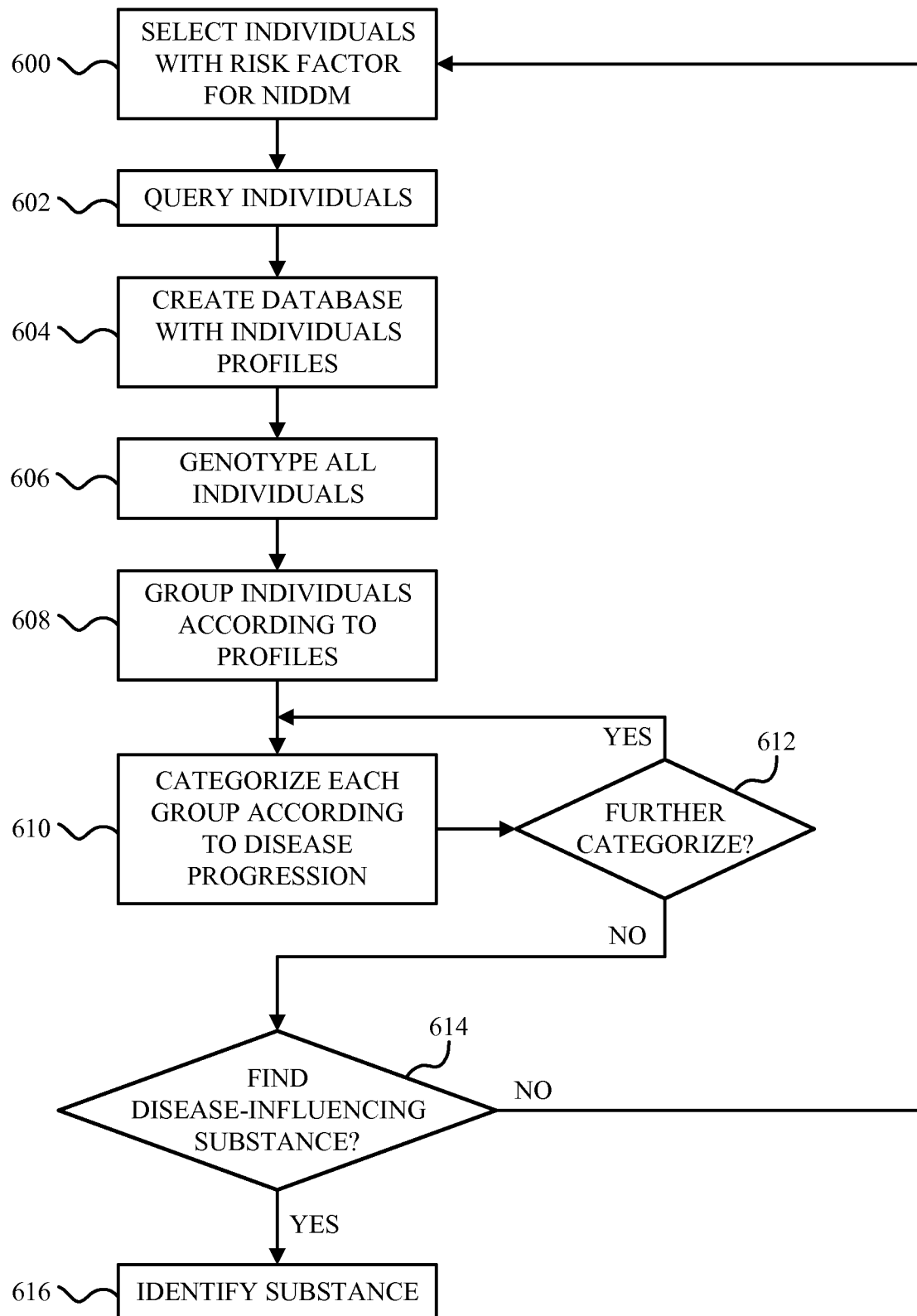
***Fig. 17***

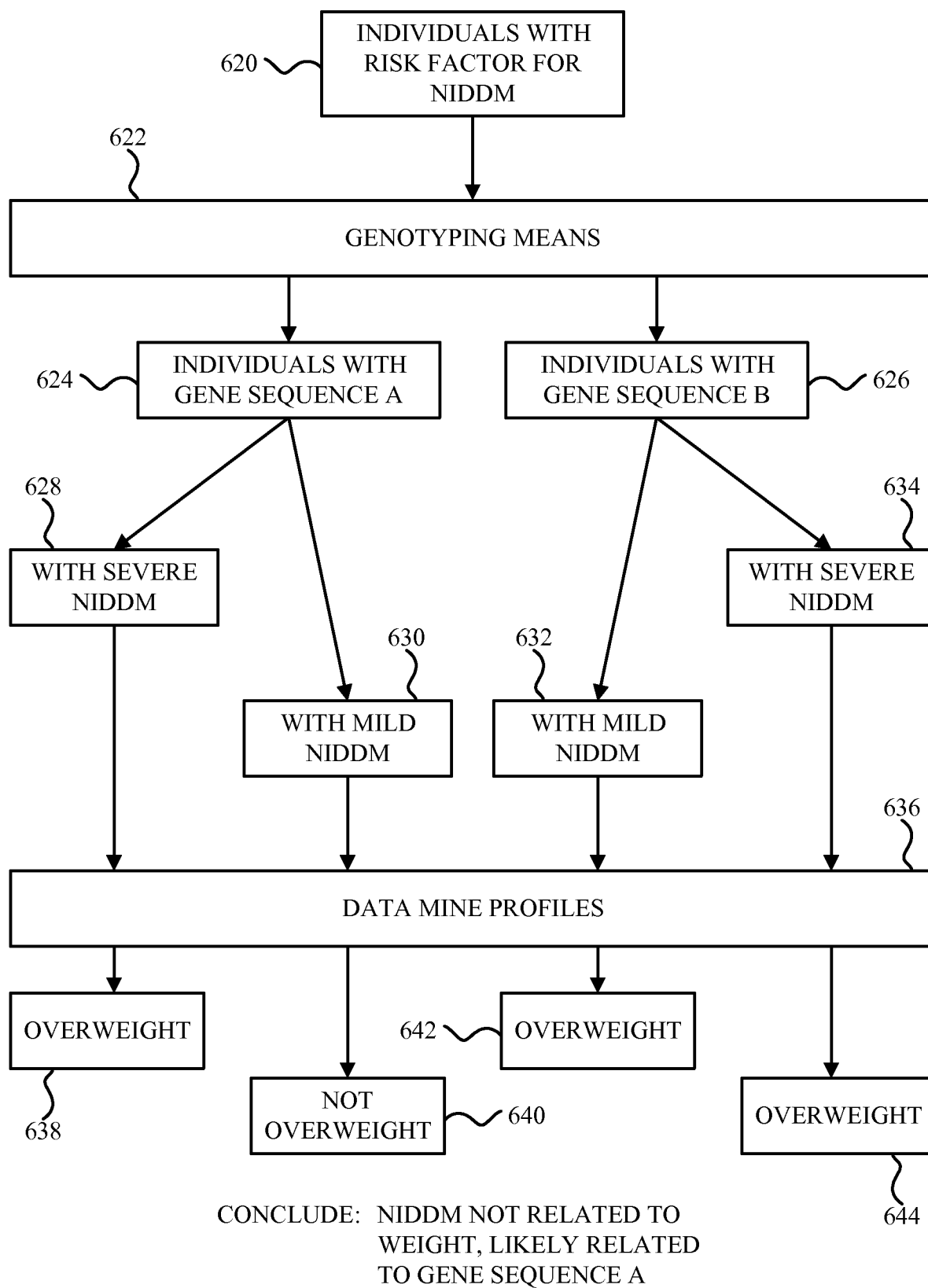


CONCLUDE: NIDDM NOT RELATED TO  
WEIGHT, LIKELY RELATED  
TO GENE SEQUENCE A

***Fig. 18***



***Fig. 19***

***Fig. 20***